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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,271	11/26/2003	Ehud Levy	40654.283695	8769

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EXAMINER

CINTINS, IVARS C

ART UNIT PAPER NUMBER

1724

DATE MAILED: 03/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/723,271

Applicant(s)

LEVY, EHUD

Examiner

Ivars C. Cintins

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5, 7-13 and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hiller (U.S. Patent No. 3,950,251) in view of Nohren et al. (U.S. Patent No. 5,609,759).

Hiller discloses a two-stage water filter cartridge comprising a first porous layer **19** formed of polyethylene (see col. 2, lines 33-35); a porous purification block **34** comprising polymer bonded activated carbon (col. 3, lines 7-11); and a cavity **35** between the inner surface of the first porous layer and the outer surface of the porous purification block, which cavity **35** is filled with granules of purification media, such as activated carbon (col. 3, lines 12-16). Accordingly, this primary reference discloses the claimed invention with the exception of the particle size (i.e. powdered) and type (claims 7 and 18) of the purification material employed. Nohren et al. teaches that it is known to purify water with either granular activated carbon or powdered activated carbon (see col. 4, lines 17-18); and it would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute the powdered activated carbon of Nohren et al. for the granular activated carbon of Hiller, since this secondary reference teaches that both of these two forms of activated carbon are capable of being used in water purification filters. Also, it would have been obvious to one of ordinary skill in the art at the time the invention was made to employ a zeolite material in combination with the activated carbon of the thus modified primary reference, as further suggested by Nohren et al. (see col. 4,

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line 19), in order to provide additional water purification capability for this modified primary reference filter.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hiller and Nohren et al. as applied above, and further in view of Carrubba et al. (U.S. Patent No. 5,338,458). The modified primary reference discloses the claimed invention with the exception of the type of purification material employed. Carrubba et al. discloses purifying water containing chloramines (col. 1, lines 11-12) with a catalytic char type activated carbon; and it would have been obvious to one of ordinary skill in the water purification art to employ this catalytic char in the filter of the modified primary reference, in order to provide chloramines removal capability for this modified primary reference filter.

Claims 6, 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hiller and Nohren et al. as applied above, and further in view of Levy (U.S. Patent Publication No. 2001/0042719). The modified primary reference discloses the claimed invention with the exception of the type of purification material employed (claim 6), and the type of binder employed in the porous polymeric block (claims 14 and 15). Levy discloses a water filtration media comprising a polymeric block containing activated carbon, zirconia and a high-density polyethylene binder (§ 0012). It would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute the polymeric block filtration media of Levy for the polymeric block filtration media of the modified primary reference, since this secondary reference polymeric block filtration media is capable of filtering water in substantially the same manner as the polymeric block filtration media of the modified primary reference, to produce substantially the same results.


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Hughes (U.S. Patent No. 6,524,477) discloses a similar water filter cartridge containing a blend of activated carbon and zeolite or ion exchange resin (col. 2, lines 26-31).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to I. Cintins whose telephone number is 571-272-1155. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Duane Smith, can be reached at 571-272-1166.

The centralized facsimile number for the USPTO is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Ivars C. Cintins
Primary Examiner
Art Unit 1724

I. Cintins
February 25, 2006